

## CONNECTICUT RIVER BASIN

01184490 BROAD BROOK AT BROAD BROOK, CT--Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1997 to current year.

REMARKS.--Samples for dissolved aluminum and zinc collected from May through September 2000 were reanalyzed because of possible contamination in the lab; those samples that could not be reanalyzed have been updated to the original concentration with a "less-than" (&lt;) data qualifier.

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)
OCT 06...	1330	16	332	336	7.8	16.0	11.5	6.3	10.8	100	3900
DEC 08...	1130	26	256	264	7.6	9.0	7.0	6.9	12.7	103	2400
FEB 08...	1200	18	339	336	8.3	-4.0	2.0	2.2	14.4	102	160
APR 17...	0930	29	261	267	8.1	6.0	10.0	2.7	11.3	105	180
JUN 19...	1015	34	262	273	7.9	21.0	17.0	4.0	9.7	100	500
JUL 17...	0945	20	267	282	7.9	27.0	21.0	5.4	8.5	98	K6100
AUG 14...	1015	17	299	309	7.8	20.5	18.5	2.4	9.0	103	K250
SEP 07...	0840	13	344	354	7.7	13.5	16.0	1.9	9.6	96	K270
DATE	ENTERO- COCCI ME, MF WATER TOTAL (COL / 100 ML) (31649)	ENTERO- COCCI (MBI) MF 24 HOUR (COL / 100 ML) (90909)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
OCT 06...	860	--	130	38.5	8.71	12.9	4.8	0	79	65	35.2
DEC 08...	740	--	88	25.9	5.67	11.6	3.4	0	61	50	26.5
FEB 08...	20	--	120	34.9	7.23	15.2	2.7	0	81	66	32.4
APR 17...	--	36	88	26.2	5.51	12.3	2.3	0	59	48	23.4
JUN 19...	--	148	94	27.8	6.03	12.6	2.4	0	63	52	24.8
JUL 17...	--	4500	96	28.9	5.90	11.3	3.9	0	65	53	25.4
AUG 14...	--	132	110	34.1	6.66	12.0	3.1	0	87	71	27.1
SEP 07...	--	54	140	42.4	8.00	13.5	3.1	0	109	89	33.4
DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)
OCT 06...	24.4	<.1	14.2	204	221	.056	4.18	.131	.29	.42	.43
DEC 08...	21.3	<.1	12.9	159	173	.028	3.18	.104	.55	.66	.49
FEB 08...	29.5	<.1	14.0	194	214	.025	4.82	.097	.22	.32	.28
APR 17...	22.4	<.1	10.6	161	175	.024	3.51	.029	.25	.28	.19
JUN 19...	21.0	<.1	12.7	178	182	.042	3.78	.066	.36	.43	.31
JUL 17...	21.1	.9	10.8	180	188	.043	3.17	.055	.61	.67	.50
AUG 14...	21.0	<.1	12.4	197	204	.040	3.49	.112	.63	.74	.37
SEP 07...	24.3	<.1	12.6	215	230	.038	4.30	.057	.31	.37	.33

01184490 BROAD BROOK AT BROAD BROOK, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)
OCT 06...	4.6	.050	.095	.070	11	<1	105	<1	<1.0	<.8	<1
DEC 08...	3.8	.147	.109	.077	13	<1	79	<1	<1.0	<.8	<1
FEB 08...	5.1	.050	.033	.026	6	<1	110	<1	<1.0	<.8	<1
APR 17...	3.8	.050	.046	.036	<22	<1	75	<1	<1.0	<.8	<1
JUN 19...	4.2	.096	.065	.058	11	<1	77	<1	<1.0	<.8	<1
JUL 17...	3.8	.150	.115	.090	18	<1	78	<1	<1.0	<.8	<1
AUG 14...	4.2	.094	.065	.049	10	<1	91	<1	<1.0	E.8	<1
SEP 07...	4.7	.074	.054	.036	13	<1	100	<1	<1.0	<.8	<1

  

DATE	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 06...	2	40	<1	99	<1	<1	<1	<1	<1	5.1
DEC 08...	1	70	<1	111	<1	<1	<1	<1	<1	5.5
FEB 08...	<1	20	<1	224	<1	<1	<1	<1	<1	1.7
APR 17...	<1	50	<1	119	<1	<1	<1	<2	<1	3.6
JUN 19...	<1	70	<1	119	<1	1	<1	2	<1	3.1
JUL 17...	2	40	<1	66	<1	<1	<1	<1	<1	5.9
AUG 14...	<1	90	<1	105	<1	1	<1	<1	<1	4.1
SEP 07...	<1	50	<1	48	<1	<1	<1	<1	<1	2.7